AD10048P3L-001 100 Watts

Total Power: 100 Watts **Input Voltage:** 90 - 264 Vac **# of Outputs:** Single



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Electrical Specifications

Special Features

- Active power factor correction
- EN6100-3-2 compliant
- CE Mark EMC & LVD
- Universal ac input
- Fully regulated output
- Overcurrent, overvoltage and thermal protection
- · Constant voltage
- High efficiency
- High MTBF
- *** IEC320 ac receptacle, 3 pin
- (type C6)Built in EMI filter
- (CISPR 22 Class B)
- AC Input fuse
- Complies with One Watt Input Energy Star / Blue Angel
 - requirement
- POE isolation on output

Input

Input range: 90-264 Vac (wide range)

Frequency: 47-63Hz

Inrush current: 40 A maximum @ 264VAC, cold start 25 °C

Input current: 1.8 A maximum Efficiency: 90% typical

EMI/RFI: FCC Part 15, Subpart B Class B & EN55022 (CISPR 22) Class-B

Safety ground 3.5 mA maximum @ 50/60 Hz, 264 VAC input

leakage current:

Output

Maximum Power (Po): 100 W

Hold-up time: 10 ms. minimum at full load @ 115 Vac

Overvoltage protection: 53 - 60 V

Latching type, recycle ac to reset

Overcurrent protection: Output short circuit protection auto recover

Overload protection @ 110 - 120% above maximum rating

Thermal protection: 105 °C to 120 °C Trip point; output will latch off

Cable/connector: DC cable length 2.5 mm center plug

DC plug center +v DC plug outer -v

Environmental Specifications

Operating temperature: 0 ° to + 45 °C ambient Storage temperature: - 40 °C to + 70 °C

Electromagnetic Designed to meet EN61000-4-2, -4, -5, level 4;

susceptibility: EN61000-4-3, -6, 10v/m; EN61000-4-8, -11; EN61000-3-3

and EN61000-3-2 Class A

Humidity: Operating; non-condensing 5% to 90% RH

MTBF demonstrated: >300,000 hours at full load and 25 °C ambient conditions

Safety

UL UL 60950-1

• **CSA** CSA-C22.2 no.60950-1

• NEMKO EN/IEC60950-1

• **CB** Certificate and report



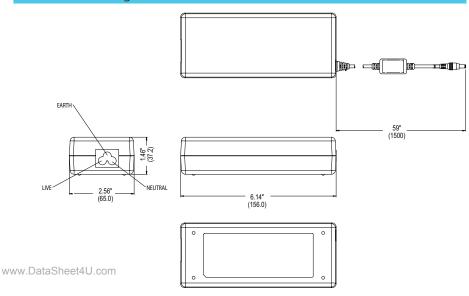


Embedded Power for Business-Critical Continuity

Ordering Information Model Maximum Output Ripple Maximum Peak Load¹ Regulation² P/P (PARD)3 Number Power Voltage Load AD10048P3L-001 <500 mV 100 W 48 Vdc 2.08 A 2.29 A ±5%

- 1. Peak current lasting <4 seconds with a maximum 10% duty cycle.
- 2. At 25 °C including initial tolerance, line voltage, load currents and output voltages adjusted to factory settings.
- 3. Peak-to-peak with 20MHz bandwidth and 10 μ F (tantalum capacitor) in parallel with a 0.1 μ F capacitor at rated line voltage and load ranges.

Mechanical Drawing



1.47" (H) x 2.56" (W) x 6.14" (L) 37.2mm (H) x 65.0 mm (W) x 156.0mm (L) AC Input Connector: IEC320, C6 AC Input power cord sold separately

Notes:

- 1. Specifications subject to change without notice.
- 2. All dimensions in inches (mm), tolerance is \pm 0.02" (\pm 0.5mm)
- 3. Warranty: 2 year
- 4. Weight: 1.11 lb./ 0.5 kg
- 5. AC input power cord sold separately.
- 6. Specifications at factory settings at 115 Vac input, 25 °C unless otherwise stated

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